

## Message Text

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PAGE 01 STATE 287142  
ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 OES-07 NAS-01 NSF-02 COME-00  
EB-08 ACDA-12 /050 R

DRAFTED BY USDOE:IA:SGOLDMAN:TDI  
APPROVED BY OES/APT/SEP:DCRAMER  
USDOE:IA:SGOLDMAN  
EUR/SOV:PHUGHES

-----024771 012359Z /70

P 012249Z DEC 77  
FM SECSTATE WASHDC  
TO AMEMBASSY MOSCOW PRIORITY

UNCLAS STATE 287142

PASS TO B. D. HILL

E.O. 11652: N/A

TAGS: US, UR, TECH, TGEN, ENRG

SUBJECT: US-USSR ENERGY AGREEMENT: SUPERCONDUCTING  
TRANSMISSION (08.0207)

1. PER HILL CONVERSATION WITH LONG, THE FOLLOWING IS  
THE REQUESTED EXCERPT FROM LONG'S SEPTEMBER 26, 1977,  
LETTER TO LEVITOV. A PHOTOCOPY OF THE ENTIRE LETTER  
WILL BE DELIVERED TO HILL BY EVERETT UPON HIS ARRIVAL  
IN MOSCOW.

QUOTE AREAS OF INTEREST OF DR. MASAKI SUENAGA AND  
DR. R. DEAN TAYLOR, US SPECIALISTS FOR VISIT NO. 4 OF  
THE RECORD OF THE FIFTH MEETING OF THE ORGANIZING  
COMMITTEE.

DR. SUENAGA IS WITH THE BROOKHAVEN NATIONAL LABORATORY  
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AND IS INTERESTED IN THE METALLURGY, MANUFACTURE AND  
CHARACTERIZATION OF SUPERCONDUCTORS FOR AC POWER TRANS-  
MISSION. DR. TAYLOR IS WITH THE LOS ALAMOS SCIENTIFIC  
LABORATORY AND IS INTERESTED IN THE METALLURGY, MANUFACTURE  
AND CHARACTERIZATION OF SUPERCONDUCTORS FOR DC POWER  
TRANSMISSION.

BOTH DRS. SUENAGA AND TAYLOR HAVE PLAYED ACTIVE ROLES IN THE DEVELOPMENT OF PRACTICAL CONDUCTORS AND IN PARTICULAR OF SUPERCONDUCTORS FOR POWER TRANSMISSION. THEY ARE INTERESTED IN DISCUSSIONS AND EXPERIMENTAL WORK WITH SOVIET SCIENTIST AND TECHNOLOGISTS WHO ARE ACTIVELY INVOLVED IN THE METALLURGY AND MANUFACTURE OF MATERIALS AND THE FABRICATION OF CONDUCTORS FOR THE SOVIET CABLE PROGRAMS. THEY ARE INTERESTED IN THE MANUFACTURING AND FABRICATION STEPS AS WELL AS THE LABORATORY WORK AND EXPECT TO VISIT THE INSTITUTIONS WHO SUPPLY THE CONDUCTORS FOR THE SOVIET AC AND DC CABLES. THEY ARE INTERESTED IN PARTICIPATING IN EXPERIMENTAL WORK TO CHARACTERIZE THE MATERIALS FOR POWER TRANSMISSION APPLICATION AS WELL AS PARTICIPATING IN EXPLORATORY EXPERIMENTS RELATED TO IMPROVING OR CHANGING THE SUPERCONDUCTING CHARACTERISTICS OF INTERMETALLIC COMPOUND SYSTEMS.

DISCUSSIONS WITH THE SOVIET SPECIALISTS WHO WILL BE VISITING THE US FOR VISIT NO. 5 OF THE RECORD OF THE FIFTH MEETING OF THE ORGANIZING COMMITTEE WILL BE VERY DESIRABLE AND SHOULD HELP TO ESTABLISH A MEANINGFUL EXCHANGE OF THIS ASPECT OF WORKING GROUP NO. 4'S RESPONSIBILITY. UNQUOTE. VANCE

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## Message Attributes

**Automatic Decaptioning:** X  
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**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** AGREEMENTS  
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**Status:** NATIVE  
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**TAGS:** TECH, TGEN, ENRG, US, UR  
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**Type:** TE  
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**Review Markings:**  
Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
22 May 2009  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009